

Title (en)  
Toner and developer

Title (de)  
Toner und Entwickler

Title (fr)  
Toner et développeur

Publication  
**EP 2365393 B1 20150916 (EN)**

Application  
**EP 11157501 A 20110309**

Priority  
JP 2010052966 A 20100310

Abstract (en)  
[origin: EP2365393A1] A toner comprising a colorant, a crystalline polyester resin, and an amorphous polyester resin, in which the crystalline polyester resin satisfies the following relations:  $60 \leq T_{\text{cp}} - T_{\text{cs1}} < 80$ ,  $T_{\text{cp}} - T_{\text{cs2}} < 10$ ,  $T_{\text{cp}} - T_{\text{cs1}} < 10$  wherein  $T_{\text{cp}}$  (°C) represents an endothermic peak temperature,  $T_{\text{cs1}}$  (°C) represents a first endothermic shoulder temperature, and  $T_{\text{cs2}}$  (°C) represents a second endothermic shoulder temperature, each determined from a second heating in a differential scanning calorimetry.

IPC 8 full level  
**G03G 9/08** (2006.01); **G03G 9/087** (2006.01)

CPC (source: EP US)  
**G03G 9/0804** (2013.01 - EP US); **G03G 9/0821** (2013.01 - EP US); **G03G 9/08755** (2013.01 - EP US); **G03G 9/08795** (2013.01 - EP US); **G03G 9/08797** (2013.01 - EP US)

Cited by  
EP2390725A1; AU2012341734B2; EP2783258A4; CN108710270A; US9316938B2; WO2013077131A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2365393 A1 20110914; EP 2365393 B1 20150916**; CN 102193355 A 20110921; CN 102193355 B 20130501; ES 2553252 T3 20151207; JP 2011186295 A 20110922; JP 5505704 B2 20140528; US 2011223532 A1 20110915

DOCDB simple family (application)  
**EP 11157501 A 20110309**; CN 201110057390 A 20110310; ES 11157501 T 20110309; JP 2010052966 A 20100310; US 201113025277 A 20110211